



## Interagency Coordinating Committee on the Validation of Alternative Methods

# New ICCVAM Vision & Procedures

Warren M. Casey, Ph.D., D.A.B.T

Acting Director, NICEATM

Acting Administrative Director, ICCVAM

Agency for Toxic Substances and Disease Registry • Consumer Product Safety Commission • Department of Agriculture  
Department of Defense • Department of Energy • Department of the Interior • Department of Transportation  
Environmental Protection Agency • Food and Drug Administration • National Institute for Occupational Safety and Health  
National Institutes of Health • National Cancer Institute • National Institute of Environmental Health Sciences  
National Library of Medicine • Occupational Safety and Health Administration





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## **ICCVAM-NICEATM**

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- More frequent, but shorter, meetings (teleconference)

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- Peer reviews managed through NTP division Office of Liaison Policy and Review



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- ICCVAM activities will be approved by consensus

# ICCVAM Authorization Act of 2000

- In 2000, Congress passed the ICCVAM Authorization Act and established Interagency Coordinating Committee on the Validation of Alternative Methods (ICCVAM)
  - Comprised of 15 Federal regulatory and research agencies that require, use, generate, or disseminate toxicological and safety testing information.

# The Purposes of ICCVAM

- (1) Increase the efficiency and effectiveness of Federal agency test method review;
- (2) Eliminate unnecessary duplicative efforts and share experiences between Federal regulatory agencies;
- (3) Optimize utilization of scientific expertise outside the Federal Government;
- (4) Ensure that new and revised test methods are validated to meet the needs of Federal agencies; and
- (5) Reduce, refine, or replace the use of animals in testing, where feasible.

# The (Abridged) Duties of ICCVAM

- Facilitate interagency and international\* collaboration to promote the development, regulatory acceptance, and use of alternative tests that encourage the reduction, refinement, or replacement of animal test methods
- Provide guidance to test method developers
- Consider results from expert peer reviews of alternative toxicological test methods that may be acceptable for regulatory use and make recommendations on their use to appropriate Federal Agencies

\*International Cooperation on Alternative Toxicological Methods (ICATM)

\*Organization for Economic Co-operation and Development (OECD)



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- A **Committee**



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- Provides scientific and operational support to ICCVAM, **NTP, and Tox21**

# Tox21

- An interagency collaboration between:
  - NIEHS (NTP), EPA (NCCT), NHGRI (NCGC), FDA
- Goal is to shift the assessment of chemical hazards away from traditional experimental animal toxicology studies to one based on target-specific, mechanism-based, biological observations largely obtained using *in vitro* assays.
- Achieved through high throughput screening, toxicity pathway profiling, computational toxicology, and biological interpretation of findings.



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# Other US Government Programs

**EPA** United States Environmental Protection Agency

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**Computational Toxicology Research** [Contact Us](#)

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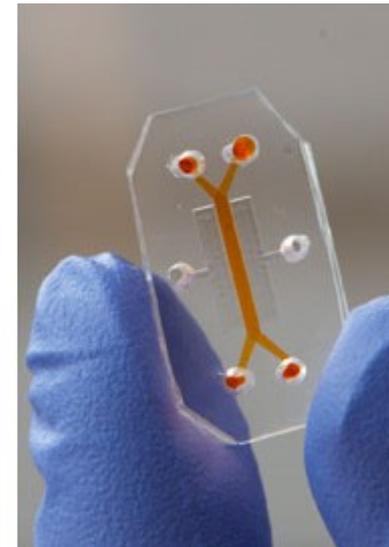
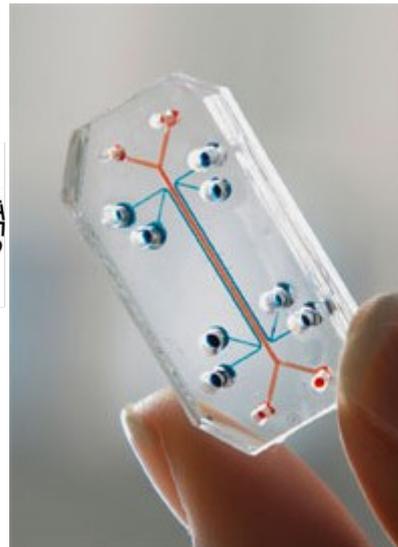
## Computational Toxicology Research

**Key Links**

<a href="#">CompTox Home</a> <a href="#">Basic Information</a> <a href="#">Organization</a> <a href="#">EPA Exposure Research</a>	<a href="#">Research Projects</a> <a href="#">Chemical Databases</a> <a href="#">Stakeholder Workshops</a> <a href="#">EPA Chemical Safety Research</a>	<a href="#">Research Publications</a> <a href="#">Scientific Reviews</a> <a href="#">Communities of Practice</a>	<a href="#">Staff Profiles</a> <a href="#">CompTox Partners</a> <a href="#">Jobs and Opportunities</a>
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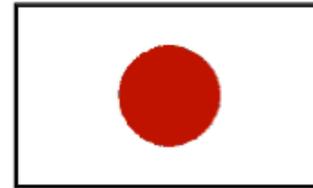
# Other US Government Programs

- NIH Funded R&D / Translational Science (\$B's)
- NIH-DARPA Organ on Chip



# ICATM

- International Collaboration on Alternative Toxicological Methods
- Promote enhanced cooperation, collaboration, and communication among national validation organizations



# OECD

## Organization for Economic Co-operation and Development

- The OECD Test Guidelines are a collection of internationally agreed test methods used by government, industry and independent laboratories to determine the safety of chemicals and chemical preparations, including pesticides and industrial chemicals.
- 34 Member countries with MAD agreement
- US largest contributor at 22% of total budget (~\$105 M)

# Role of SACATM

- To advise ICCVAM and NICEATM regarding ICCVAM activities